COPY FOR IB



PCT

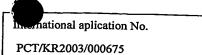
1'0 AUG 2004
WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference ATY	FOR FURTHER ACTION		ransmittalofInternationalPreliminary t (Form PCT/IPEA/416)			
International application No. PCT/KR2003/000675	International filing date (day/more 04 APRIL 2003 (04.04.20	nth/year) Prio	ority date (day/month/year) APRIL 2002 (09.04.2002)			
International Patent Classification (IPC) IPC7 D02G 1/18	` 		AFRIL 2002 (09.04.2002)			
Applicant KOLON INDUSTRIES, INC	et al					
and is transmitted to the applican	t according to Article 36.		nal Preliminary Examining Authority			
This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total	ofsheets.					
3. This report contains indications relating to the following items: I X Basis of the report II Priority						
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV Lack of unity of invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI Certain documents cited						
VII Certain defects in the international application VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of this report				
05 NOVEMBER 2003 (05.11.20	003)	29 JULY 2004 (29	.07.2004)			
Name and mailing address of the IPEA/ Korean Intellectual Property 920 Dunsan-dong, Seo-gu, I Republic of Korea	y Office	rized officer LEE, Min Hyung	SUB			
Facsimile No. 82-42-472-7140 Form PCT/IPEA/409 (cover sheet) (July		ST AVAIL	ABLE COPY			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



I	I. Basis of the report						
		h regard to the elements of the international application:*					
	Σ						
		the international application as originally filed the description:					
		·					
		pages	, as originally filed				
		pages , filed with the letter of	, filed with the demand				
	\Box	the claims:					
1		pages	_ , as originally filed				
l		pages as amended (together with an	y statment) under Article 19				
l		Puges	£11 - 1 21 - 1 - 1				
	\Box	pages, filed with the letter of					
ŀ	ш	the drawings:					
		pages	, as originally filed				
			, filed with the demand				
		the sequence listing part of the description:					
		pages	as originally filed				
		F-8-2	, filed with the demand				
		pages, filed with the letter of					
2.		h regard to the language, all the elements marked above were available or furnished to this Authoritements international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language	which is				
	ᆜ	the language of a translation furnished for the purposes of international search (under Rule 23.	1(b)).				
		the language of publication of the international application(under Rule 48.3(b)).					
		the language of the translation furnished for the purposes of international preliminary examinations and international preliminary examinations are the purposes of international preliminary examinations and the purposes of international preliminary examinations are the purposes of the purpose of the	nation(under Rules 55.2 and/				
		or 55.3).	audon(under Ruies 33.2 and)				
3.	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
	닠	contained inthe international application in written form.					
		filed together with the international application in computer readable form.					
		furnished subsequently to this Authority in written form.					
		furnished subsequently to this Authority in computer readable form					
 		The statement that the subsequently furnished written sequence listing does not go bey international applicationas as filed has been furnished.					
		The statement that the information recorded in computer readable form is identical to the wibeen furnished.	ritten sequence listing has				
ł. [The amendments have resulted in the cancellation of:					
		the description, pages the claims, Nos.					
		the claims, Nos.					
		the drawings, sheet					
	_						
Ţ	_]	This report has been established as if (some of) the amendments had not been made, since the go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	ney have been considered to				
	eplace this o nd 70.	ement sheets which have been furnished to the receiving Office in response to an invitation unde opinion as "originally filed." and are not annexed to this report since they do not contain a .17).	er Article 14 are referred to mendments (Rules 70.16				
** A	* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.						
T		DEA //00 (D 7/7)					

NO

v.	citations and explanations supporting such statement						
1.	Statement						
	Novelty (N)	Claims	1 - 28	YES			
		Claims		No			
	Inventive step (IS)	Claims	1 - 28	YES			
		Claims		NO			
	Industrial applicability (IA)	Claims	1 - 28	YES			

- 2. Citations and explanations (Rule 70.7)
 - 1. Reference is made to the following documents:

Claims

D1: EP 0 352 376 A (TORAY INDUSTRIES, INC)

2. Reasoned statement with regard to novelty, inventive step and industrial applicability:

Claims 1-28 relate to a textured yarn composed of a fiber forming component and an extraction component with different shrinkage and excellent suede effect, wherein two-component composite yarn(effect yarn) having a monofilament fineness of 0.001 to 0.3 denier after extracting an extraction component are twined around a thermoplastic multifilament yarn(core yarn), 2 to 350 loops per meter of said two-component composite yarn of at least 1.0mm in length, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm, and also relate to a method for manufacturing said textured yarn by air-texturing said two component composite yarn(effect yarn) and said thermoplastic multifilament yarn(core yarn) in an air texturing nozzle under the condition that the overfeed ratio of effect yarn to core yarn is 1.2 to 4.0.

The closest prior art to the present invention, D1 relates to a latent looped yarn, a fabric made of the same, and a method for manufacturing the latent looped yarn, disclosing the basic structure with mixed multifilament comprising two-component synthetic multifilaments having fine loops on the surface and different thermal shrinkage between said two components.

(Continued on Supplemental Sheet.)



In ational aplication No.

PCT/KR2003/000675

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Box V.

However, D1 does not disclose the technical feature of the present invention relating to a textured yarn with different shrinkage wherein two-component composite yarn(effect yarn) composed of a fiber forming component and an extraction component having a monofilament fineness of 0.001 to 0.3 denier after extracting an extraction component are twined around a thermoplastic multifilament yarn(core yarn), 2 to 350 loops per meter of said two-component composite yarn of at least 1.0mm in length, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm and also relating to a method for manufacturing said textured yarn by air-texturing said two component composite yarn(effect yarn) and said thermoplastic multifilament yarn(core yarn) in an air texturing nozzle under the condition that the overfeed ratio of effect yarn to core yarn is 1.2 to 4.0. In addition, said technical feature and method of manufacturing are not disclosed and obvious to a person skilled in the art.

Therefore, claims 1 to 28 meet the requirements of PCT Article 33(2) and (3), with respect to novelty and an inventive step.

Claims 1 to 28 also meet the criteria set out in PCT Article 33(4), because all the claims are considered to be industrial applicability.